B.Sc. F.Y.

Botany-Paper-II

Paper name- Plant Ecology and Phytogeography.

1. Study of plants and animals in relation to their environment is called:
2. taxonomy
3. ecology
4. morphology
5. anatomy
6. The biotic components of Ecology are:
7. plants
8. animals
9. microorganisms
10. all of above
11. Climatic factors are:
12. water
13. atmospheric moisture and gases
14. temperature and light
15. all of above
16. Who had proposed the term ecosystem?
17. Gardner
18. Tansley
19. Odum
20. Krebs
21. Abiotic component in an ecosystem is:
22. water
23. daphnia
24. bacteria
25. chlorella
26. Pedology is the study of:
27. soil
28. animal
29. temperature
30. man
31. Water logging occurs in:
32. clay soil
33. loamy soil
34. gravel soil
35. sandy soil
36. Soil erosion means:
37. deposition of new soil layers by rivers
38. removal of top soil layers by wind or water
39. decomposition of organic matter
40. breaking up of rocks by water streams

9)Soil conservation is process where:

1. sterile soil is converted into fertile soil
2. soil erosion is allowed
3. soil is protected against loss
4. soil is aerated

10)Sunken stomata are present in:

1. xerophytes
2. hydrophytes
3. mesophytes
4. epiphytes

11) Succulents are likely to be found on:

1. tropical rainforests
2. deserts
3. tundras
4. deciduous forests

12) In submerged hydrophytes which of the following is present:

1. a well developed root system
2. a well developed vascular system
3. a well developed stomatal system
4. a well developed arenachyma

13) Among are following characters which one does not characterise a hydrophyte:

1. abundant airspaces and air chambers
2. plentiful xylem and sclerenchyma
3. leaves having stomata only on upper surface or none
4. poor development of roots

14) Which group of plants has to face physiological dryness:

1. halophytes
2. hydrophytes
3. epiphytes
4. lithophytes

15)Pneumatophores are usually present in:

1. mangrove plants
2. xerophytes
3. epiphytes
4. hydrophytes

16)In India, mangrove vegetation is found in:

1. Bombay coastal area
2. Andaman and nicobar islands
3. Kerala sea shore
4. All of above

17)Plants growing well in full sunlight are called:

1. xerophytes
2. mesophytes
3. heliophytes
4. sciophytes

18)The orchid plants which are found growing on trees are:

1. parasites
2. epiphytes
3. saprophytes
4. lithophytes

19) Abiotic components of an ecosystem are:

1. water and atmospheric moisture
2. light and temperature
3. soil
4. all of above

20) Producers are:

1. green plants
2. animals
3. microorganisms
4. none of above

21)The light energy of sun is converted into chemical energy of food by:

1. producers
2. primary consumers
3. decomposers
4. none of above

22)The chemical energy was cycled again back to environment by:

1. producers
2. primary consumers
3. secondary consumers
4. decomposers

23)Depending upon water depth, the zones in pond are:

1. littoral
2. limnetic
3. profundal
4. all of above

24)Which one of following factor is biotic:

1. Co2 content of soil
2. microorganisms in soil
3. rainfall
4. photoperiod

25)If plants of world die, all animals will also die due to shortage of:

1. cold air
2. oxygen
3. timber
4. food

26)The study of interrelationship between a species and its environment of a forest called:

1. forest ecology
2. autoecology
3. synecology
4. ecosystem

27) A food chain consist of:

a. producers and primary consumers

b. producers , harbivores and carnivores

c. producers,consumers,and decomposers

d. none of above

28) A plant eaten by herbivorous animal which in turn is eaten by a carnivorous animal form a :

a. food chain

b. food web

c. biotic potential

d. food pyramid

29) the flow of energy in an ecosystem:

a. one way

b. two way

c. three way

d. all of above

30) first link to any food chain is a green plant because

a. they alone have the capacity to synthesize food

b. fixed at one place

c. they can eat every thing

d. they respire

31) which is the correct sequence in food chain in grassland

a. grass-wolf-deer-buffalo

b. grass-insect-bird-snake

c. grass-snake-insect-deer

d. bacteria-grass-rabbit-wolf

32) green plants constitute

a. first tropic level

b. second tropic level

c. third tropic level

d. complete food chain

33) plants and animals living in given area form

a. community

b. plankton

c. population

d. ecosystem

34) in a forest ecosystem green plants are:

a. primary producers

b. primary consumers

c. consumers

d. decomposers

35) A pond is :

a. a community of plants and animals

b. natural ecosystem

c. an artificial ecosystem

d. a biome

36) the pyramid of energy is:

a. always upright

b. always inverted

c. both upright and inverted

d. none of the above

37) the atmospheric pollution is caused by:

a.O2

b.CO

c. Co2

d. N2

38) ozone layer is destroyed due to:

a. chlorofluorocarbon

b. co2

c. so2

d. NH3 (ammonia)

39) Air pollution is maximumly caused by

a. household detergents and pesticides

b. automobile exhausts and chemicals from industry

c. sewage and pesticides

d. sewage and industrial effluents

40) chipco movement was done by:

a. Sunderlal Bahuguna

b. Gopeshwar

c. Victor Shelford

d. none of above

Answer Key:

1-b

2-d

3-d

4-b

5-a

6-a

7-a

8-b

9-c

10-a

11-b

12-d

13-b

14-a

15-a

16-d

17-c

18-b

19-d

20-a

21-a

22-d

23-d

24-b

25-b

26-b

27-c

28-a

29-a

30-a

31-b

32-a

33-a

34-a

35-b

36-a

37-b

38-a

39-b

40-a